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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

CJ/T 322-2010

Replacing CJ/T 3028.1-1994; CJ/T 3028.2-1994

Ozone generator for water and waste water treatment

水处理用臭氧发生器

(English Translation)

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Foreword

This standard is CJ/T 3028.1-1994 "ozone generator" and CJ/T 3028.2-1994 "ozone generator ozone concentration, production Measurement of Electricity Consumption and Electricity Consumption ", the main changes compared with CJ/T 3028.1-1994 and CJ/T 3028.2-1994 are as follows.

- CJ/T 3028.1-1994 and CJ/T 3028.2-1994 two parts of the merger;
- Change and increase the terms and definitions of some of the contents of the gas standard conditions changed conditions;
- Added product classification and specifications;
- The original "technical requirements and test methods" are divided into requirements, test methods, inspection rules;
- Remove the original production process parts and components requirements, refined the overall product requirements;
- Removed the product level division content;
- Added safety class requirements;

--- Changed the concentration of ozone, production, electricity consumption measurement and calculation methods; Determination of ozone concentration increased UV absorption method;

--- Change Appendix A, B, an increase of Appendix C.

This standard Appendix A normative appendix, Appendix B, Appendix C is an informative annex.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Water Supply and Drainage Products Standardization Technical Committee.

1 Scope

This standard specifies the classification and specifications of ozone generators for water treatment, structure and materials, requirements, test methods, inspection rules, signs, packages Loading, transportation and storage.

This standard applies to drinking water, reclaimed water, sewage treatment ozone generator. Chemical oxidation, paper bleaching and food industry consumption Ozone disinfection and other applications can refer to the implementation of ozone generator.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest version applies to this standard.

GB 150 steel pressure vessel GB/T 191 Packaging - Pictorial signs Ambient air quality standard GB 3095-1996 GB 4208 enclosure protection (IP code) Laboratory use specifications and test methods for analysis GB/T 6682-2008 GB 7521.1-2005 Low-voltage switchgear and control equipment - Part 1. Type test and partial type test sets equipment GB/T 13306 signs GB 13384 Mechanical and electrical product packaging General technical requirements GB 14050 system grounding type and safety technical requirements Ambient air - Determination of ozone - UV spectrophotometry GB 19517 National Electrical Equipment Safety Technical Specification

3 Terms and definitions, symbols, abbreviations

The following terms and definitions, symbols, abbreviations apply to this standard.

3.1 Terms and definitions

3.1.1

In the electrode and the discharge space blocked by the dielectric body, the phenomenon of gas discharge caused by the application of AC voltage is increased.

3.1.2

The ozone-producing basic unit consists of the dielectric and the electrode and discharge space separated by it.

3.1.3

A unit consisting of one or more ozone generating units.

3.1.4

Oxygen or air through the dielectric barrier discharge means necessary to produce ozone.